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**From:** Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]  
**Sent:** 7/25/2019 1:07:50 PM  
**To:** Yeung, Nelson [Yeung.Nelson@epa.gov]  
**CC:** McCord, James [mccord.james@epa.gov]; Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]  
**Subject:** FW: DuPont air emissions report  
**Attachments:** Chemours 2014 EI.pdf

Nelson,

See page 105 for the Table I showed you this AM. I expect there are other CAS and PFAS in here we can mine and get on the poster.

Mark

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**From:** Cahoon, Larry <cahoon@uncw.edu>  
**Sent:** Tuesday, July 23, 2019 1:06 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** DuPont air emissions report

Hi Mark, I got this from a former DAQ inspector in the FRO. You may find it quite interesting, as it connects the PFAS air emissions to the PFAS water discharges via the scrubber systems DuPont used. I have a 2013 and a 2017 report as well if you're interested.  
Best wishes.

Larry

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**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Thursday, May 30, 2019 8:42 AM  
**To:** Cahoon, Larry <cahoon@uncw.edu>  
**Subject:** RE: Article

Hi Larry. Those that done have a CAS mean we have yet to discover a chemical in Scifinder (CAS) that is consistent with the formula or structure as drawn. So yes they may be new.

As far as mono fluoro malonate, I have looked extensively but have not found it yet. There is also the possibility for difluoro malonate I am told but have not seen that yet either.

Mark

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**From:** Cahoon, Larry <cahoon@uncw.edu>  
**Sent:** Wednesday, May 29, 2019 1:09 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** RE: Article

Mark, two more questions: some of these compounds don't have CAS #s – I presume they are 'new to science'? Also, have you detected any mono-fluoro malonate or its hydrolysis product? That was a compound a DuPont whistleblower told me about.

Larry

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**From:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Sent:** Wednesday, May 29, 2019 10:18 AM  
**To:** Cahoon, Larry <[cahoon@uncw.edu](mailto:cahoon@uncw.edu)>  
**Subject:** RE: Article

FYI,

Here is a paper on additional PFAS on the Cape fear I published last month with my former post-doc James McCord. I look forward to reading this and any follow up work. Cheers.

Mark

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**From:** Cahoon, Larry <[cahoon@uncw.edu](mailto:cahoon@uncw.edu)>  
**Sent:** Wednesday, May 29, 2019 10:14 AM  
**To:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Subject:** RE: Article

Hi Mark, here you go. BTW, I'm on to another angle in the GenX story – what NC DAQ knew and when they knew it.

Larry

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**From:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Sent:** Wednesday, May 29, 2019 10:12 AM  
**To:** Cahoon, Larry <[cahoon@uncw.edu](mailto:cahoon@uncw.edu)>  
**Cc:** Williams, Antony <[Williams.Antony@epa.gov](mailto:Williams.Antony@epa.gov)>  
**Subject:** FW: Article

Larry,

Is it possible for you to send me a copy of your recent paper in link below.

Thanks  
Mark

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**From:** Williams, Antony  
**Sent:** Wednesday, May 29, 2019 7:36 AM  
**To:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Subject:** Article

Mark,  
Do you happen to have a copy of this article  
<https://www.sciencedirect.com/science/article/pii/B9780128157305000132#!> That you can share? Thanks

Antony J. Williams  
National Center for Computational Toxicology  
U.S. Environmental Protection Agency  
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Research Triangle Park, NC 27711

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## Publications

- **EPA CompTox Chemicals Dashboard related**

- 1) [Generalized Read-Across \(GenRA\): workflow in the EPA CompTox Chemicals Dashboard](#)
- 2) [OPERA models for predicting physicochemical properties and environmental fate end points](#)
- 3) [Evidence for Cross Species Extrapolation of Mammalian-Based HTS Assay Results](#)
- 4) [A Chemical Category-Based Prioritization Approach for Selecting 75 Per- and Polyfluoroalkyl Substances \(PFAS\) for Tiered Toxicity and Toxicokinetic Testing](#)
- 5) [An ecotoxicological view on neurotoxicity assessment](#)

- **Mass Spectrometry and targeted/Non-Targeted Analysis**

- 1) [Using prepared mixtures of ToxCast chemicals to evaluate non-targeted analysis \(NTA\) methods](#)
- 2) ["EPA's non-targeted analysis collaborative trial \(ENTACT\): Genesis, design, and initial findings"](#)
- 3) ["MS-Ready" structures for non-targeted high-resolution mass spectrometry screening studies](#)
- 4) [Integrating tools for non-targeted analysis research & chemical safety evaluations at the US-EPA](#)

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